JUnit_Basic Testing Exercises

Exercise 3: Assertions in Junit

Scenario: You need to use different assertions in JUnit to validate your test results.

Steps:

1. Write tests using various JUnit assertions.

Added a class file to the JUnitDemo and names it as **AssertionsTest.java**

```java
package com.example.assertions;

import static org.junit.Assert.*;

public class AssertionsTest {

    @Test
    public void test() {
        // Assert equals
        assertEquals(5, 2 + 3);

        // Assert true
        assertTrue(5 > 3);

        // Assert false
        assertFalse(5 < 3);

        // Assert null
        assertNull(null);

        // Assert not null
        assertNotNull(new Object());
    }

}
```
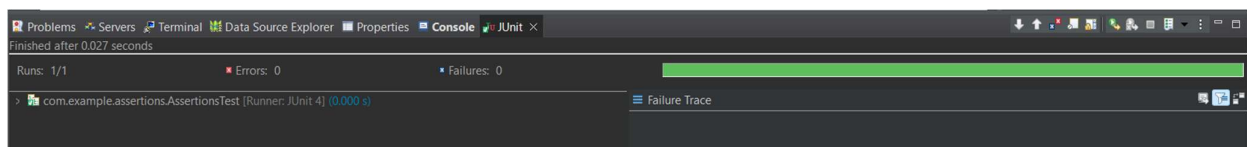
It has successfully executed when I run it and all assertions passed.

For the same class when I changed for assertsEqual(6,2+3)

```java
package com.example.assertions;

import static org.junit.Assert.*;

public class AssertionsTest {

    @Test
    public void test() {
        // Assert equals
        assertEquals(6, 2 + 3);

        // Assert true
        assertTrue(5 > 3);

        // Assert false
        assertFalse(5 < 3);

        // Assert null
        assertNull(null);

        // Assert not null
        assertNotNull(new Object());
    }

}
```

That test case has been failed showing a red bar